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enhanced on STN
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NEWS 7 JUL 09 PATDPAFULL adds Simultaneous Left and Right
Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 8 JUL 14 USGENE enhances coverage of patent sequence location
(PSL) data
NEWS 9 JUL 27 CA/CAplus enhanced with new citing references
NEWS 10 JUL 16 GBFULL adds patent backfile data to 1855
NEWS 11 JUL 21 USGENE adds bibliographic and sequence information
NEWS 12 JUL 28 EPFULL adds first-page images and applicant-cited
references
NEWS 13 JUL 28 INPADOCDB and INPAFAMDB add Russian legal status data
NEWS 14 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 15 AUG 17 CAS REGISTRY, the Global Standard for Chemical
Research, Approaches 50 Millionth Registration
Milestone
NEWS 16 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 17 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 18 AUG 24 CA/CAplus enhanced with legal status information for
U.S. patents

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
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FILE 'CAPLUS' ENTERED AT 14:48:06 ON 08 SEP 2009

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FILE COVERS 1907 - 8 Sep 2009 VOL 151 ISS 11

FILE LAST UPDATED: 7 Sep 2009 (20090907/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAPLUS family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 9.

```
=> s heterocarpine and polynucleotide
      5 HETEROCARPINE
    14631 POLYNUCLEOTIDE
    15088 POLYNUCLEOTIDES
    24669 POLYNUCLEOTIDE
      (POLYNUCLEOTIDE OR POLYNUCLEOTIDES)
L1      0 HETEROCARPINE AND POLYNUCLEOTIDE
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=> s heterocarpine
L2      5 HETEROCARPINE
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=> duplicate remove L2
PROCESSING COMPLETED FOR L2
L3      5 DUPLICATE REMOVE L2 (0 DUPLICATES REMOVED)
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=> d L3 bib abs 1-5
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L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2009:229398 CAPLUS

DN 150:252607

TI Heterocarpine, a plant-derived protein with anticancer properties

IN Ferrandis, Eric; Teng, Beng Poon; Sohler, Christine; Thurieu, Christophe

PA Societe De Conseils De Recherches Et D'Applications Scientifiques (S.C.R.A.S.), Fr.

SO U.S., 11 pp., Cont.-in-part of U.S. Ser. No. 470,112.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 7494969	B2	20090224	US 2005-522457	20050121
US 20060178300	A1	20060810		
US 20080167221	A9	20080710		
FR 2821359	A1	20020830	FR 2001-2631	20010227
FR 2821359	B1	20030509		
WO 2002068461	A2	20020906	WO 2002-FR691	20020226
WO 2002068461	A3	20040212		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2843697	A1	20040227	FR 2002-10560	20020826
FR 2843697	B1	20051209		
US 20040063621	A1	20040401	US 2003-470112	20030724
US 7385024	B2	20080610		
WO 2004017987	A2	20040304	WO 2003-FR2570	20030825
WO 2004017987	A3	20040422		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI FR 2001-2631	A	20010227
WO 2002-FR691	W	20020226
FR 2002-10560	A	20020826
US 2003-470112	A2	20030724
WO 2003-FR2570	W	20030825

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY
FORMAT

AB The invention discloses a method for treating cancer dependent on growth factor GHRH in warm-blooded animals in need thereof with an isolated protein (heterocarpine) isolated from *Pilocarpus Heterophyllus*.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2004:472102 CAPLUS

DN 141:37643

TI Manufacture of heterocarpine from *Pilocarpus heterophyllus* for use as an anticancer agent

IN Ferrandis, Eric

PA Societe De Conseils De Recherches Et D'applications Scientifiques Scras, Fr.

SO Fr. Demande, 57 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2848221	A1	20040611	FR 2002-15563	20021210
FR 2848221	B1	20070928		
CA 2509422	A1	20040729	CA 2003-2509422	20031209
WO 2004063376	A1	20040729	WO 2003-FR3629	20031209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003296782	A1	20040810	AU 2003-296782	20031209
EP 1573011	A1	20050914	EP 2003-815092	20031209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2007528192	T	20071011	JP 2004-566105	20031209
RU 2359033	C2	20090620	RU 2005-121536	20031209
US 20060228773	A1	20061012	US 2005-535545	20050518
MX 2005006070	A	20050816	MX 2005-6070	20050607
PRAI FR 2002-15563	A	20021210		
WO 2003-FR3629	W	20031209		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A cDNA encoding the somatoliberin receptor-binding protein heterocarpine of *Pilocarpus heterophyllus* is cloned and expressed for use in manuf. of the protein for use in cancer therapy. Cloning of a cDNA for the protein by RT-PCR is demonstrated and expression systems are

discussed.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2004:161955 CAPLUS

DN 140:210745

TI Heterocarpine, a plant-based protein with anticancer properties

IN Ferrandis, Eric; Teng, Beng Poon; Sohler, Christine; Thurieau, Christophe

PA Societe de Conseils de Recherches et d'Applications Scientifiques SCRAS, Fr.

SO Fr. Demande, 24 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2843697	A1	20040227	FR 2002-10560	20020826
FR 2843697	B1	20051209		
CA 2495972	A1	20040304	CA 2003-2495972	20030825
WO 2004017987	A2	20040304	WO 2003-FR2570	20030825
WO 2004017987	A3	20040422		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003274281	A1	20040311	AU 2003-274281	20030825
AU 2003274281	B2	20090226		
EP 1536808	A2	20050608	EP 2003-758268	20030825
EP 1536808	B1	20090708		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003013720	A	20050712	BR 2003-13720	20030825
JP 2006501229	T	20060112	JP 2004-530308	20030825
CN 1787828	A	20060614	CN 2003-819974	20030825
NZ 537846	A	20060831	NZ 2003-537846	20030825
RU 2317097	C2	20080220	RU 2005-108598	20030825
AT 435652	T	20090715	AT 2003-758268	20030825

US 7494969 B2 20090224 US 2005-522457 20050121
 US 20060178300 A1 20060810
 US 20080167221 A9 20080710
 MX 2005002161 A 20050523 MX 2005-2161 20050224
 HK 1092701 A1 20090619 HK 2006-113390 20061206
 PRA1 FR 2001-2631 A 20010227
 WO 2002-FR691 W 20020226
 FR 2002-10560 A 20020826
 US 2003-470112 A2 20030724
 WO 2003-FR2570 W 20030825

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY
FORMAT

AB The invention discloses a protein of plant origin with antitumor properties which binds human GHRH. This protein, obtained from *Pilocarpus heterophyllus*, is particularly adapted to prep. a drug intended to treat cancers for which the growth is dependent on GHRH, in particular small cell lung cancer and breast cancer.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2002:676049 CAPLUS

DN 137:237697

TI Heterocarpine, a human GHRH-binding protein

IN Ferrandis, Eric; Teng, Beng Poon; Sohler, Christine; Thurieau, Christophe

PA Societe de Conseils de Recherches et d'Applications Scientifiques
(S.C.R.A.S.), Fr.

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002068461	A2	20020906	WO 2002-FR691	20020226
WO 2002068461	A3	20040212		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,				

GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2821359	A1	20020830	FR 2001-2631	20010227
FR 2821359	B1	20030509		
CA 2437516	A1	20020906	CA 2002-2437516	20020226
AU 2002241065	A1	20020912	AU 2002-241065	20020226
AU 2002241065	B2	20060928		
HU 2003003244	A2	20031229	HU 2003-3244	20020226
HU 2003003244	A3	20051128		
HU 225431	B1	20061128		
BR 2002007578	A	20040302	BR 2002-7578	20020226
EP 1409531	A2	20040421	EP 2002-706900	20020226
EP 1409531	B1	20051109		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

CN 1531550	A	20040922	CN 2002-805466	20020226
CN 100340573	C	20071003		
JP 2004538254	T	20041224	JP 2002-567971	20020226
JP 4117194	B2	20080716		
AT 309269	T	20051115	AT 2002-706900	20020226
ES 2252431	T3	20060516	ES 2002-706900	20020226
NZ 527749	A	20060929	NZ 2002-527749	20020226
RU 2305683	C2	20070910	RU 2003-128963	20020226
IL 157150	A	20081126	IL 2002-157150	20020226
US 20040063621	A1	20040401	US 2003-470112	20030724
US 7385024	B2	20080610		
MX 2003007626	A	20031204	MX 2003-7626	20030825
US 7494969	B2	20090224	US 2005-522457	20050121
US 20060178300	A1	20060810		
US 20080167221	A9	20080710		
PRAI FR 2001-2631	A	20010227		
WO 2002-FR691	W	20020226		
FR 2002-10560	A	20020826		
US 2003-470112	A2	20030724		
WO 2003-FR2570	W	20030825		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention relates to a human GHRH-binding protein (human Growth Hormone-releasing hormone). Said protein, which is obtained from the *Pilocarpus heterophyllus* plant, can be used to prep. medicaments intended to antagonize the effects of GHRH and to treat proliferative diseases (particularly cancer), acromegaly or diabetic nephropathies and retinopathies.

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1999:37792 CAPLUS

DN 130:207301

TI (.+.)-Heterocarpine, a hydroxymethylated isoquinoline alkaloid
from *Ceratocarpus heterocarpus*

AU Suau, Rafael; Posadas, Natalia; Silva, M. Victoria; Valpuesta, Maria

CS Departamento de Química Orgánica, Facultad de Ciencias. Universidad de
Málaga, Málaga, 29071, Spain

SO Phytochemistry (1998), 49(8), 2551-2555

CODEN: PYTCAS; ISSN: 0031-9422

PB Elsevier Science Ltd.

DT Journal

LA English

AB Heterocarpine, a novel alkaloid from *Ceratocarpus heterocarpus*,
has been characterized as (.+.)-1-hydroxymethyl-2-(3-hydroxy-4-
methoxybenzyl)-7-hydroxy-6-methoxy-1,2,3,4-tetrahydroisoquinoline. The
alkaloid was synthesized from the corresponding 3,4-dihydroisoquinolinium
salt. A key step in the process is the acid resin catalyzed methanolysis
of the 1-carbamoyl isoquinoline. The structural correlation of the
hydroxymethylated alkaloids heterocarpine and malacitanine with
their unsubstituted counterparts capnosine and caseamine, also present in
the plant, might be of biosynthetic significance.

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3
CITINGS)

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT